

Claims

[1] A device for implementing a RNC, comprising:
an interface interfacing between sub-systems of a system for the RNC, the
interface using cross duplication dualizing interfacing method;
wherein a data transmission between the sub-systems is performed in a form of
LVDS signals converted from ATM UTOPIA data and an active pass link of two
interfaces is switched, while outputs are transmitted from the active pass link to
two interfaces.

[2] The device of claim 1, further comprising:
a Tx circuit section comprising:
a buffer for outputting the UTOPIA data being inputted; and
a LVDS driver section for receiving the input UTOPIA data in a parallel form
from the buffer 100 for converting the parallel UTOPIA data into LVDS data via
two LVDS drivers for data dualizing and for transmitting the converted data to
an ATM switch.

[3] The device of claim 1, further comprising:
an Rx circuit section comprising:
a LVDS receiver section for converting LVDS data transmitted from an ATM
switch into the ATM UTOPIA data and for outputting the ATM UTOPIA data
after selecting one of two data through two LVDS receivers; and
a switch selecting active data from data in dualized form being inputted from a
LVIA.